

AMENDMENTS

IN THE CLAIMS:

Please amend Claims 10-14 and 25-28 as follows:

10. (Twice Amended) A soluble and neutralizing vaccine comprising a fusion protein, said fusion protein comprising a non-toxin protein sequence and at least a portion of one or more *Clostridium botulinum* toxins, said one or more toxins selected from the group consisting of type B toxin and type E toxin.

11. (Once Amended) The soluble and neutralizing vaccine of Claim 10 further comprising a fusion protein comprising a non-toxin protein sequence and at least a portion of *Clostridium botulinum* type A toxin.

12. (Once amended) The soluble and neutralizing vaccine of Claim 10, wherein said portion of said *Clostridium botulinum* toxin comprises the receptor binding domain.

13. (Once amended) The soluble and neutralizing vaccine of Claim 10 wherein said non-toxin protein sequence comprises a poly-histidine tract.

14. (Once amended) The soluble and neutralizing vaccine of Claim 10, wherein said vaccine is substantially endotoxin-free.

25. (Once Amended) The soluble and neutralizing vaccine of Claim 10, wherein said vaccine is protective against a challenge with said one or more *Clostridium botulinum* toxins.

26. (Once amended) The soluble and neutralizing vaccine of Claim 11, wherein said vaccine is protective against a challenge with said *Clostridium botulinum* type A toxin.

27. (Once amended) The soluble and neutralizing vaccine of Claim 10, wherein said portion of *Clostridium botulinum* type B toxin is selected from the group consisting of